Index of Claims

| Application No.  | Applicant(s) |
|------------------|--------------|
| 10/628,234       | YAGYU ET AL. |
| Examiner         | Art Unit     |
| Stephen E. Jones | 2817         |

| / | Rejected | _ | (Through numeral)<br>Cancelled |
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| Cla         | aim      |                                                  |                 |          |                | Date     |          |           |          |          |      | Cla       | im_      |          | -            |                         | Date     | )         |               |                |         | CI       | aim        | _        |          | _            |          | ate          |               |                 | _             |           |
|-------------|----------|--------------------------------------------------|-----------------|----------|----------------|----------|----------|-----------|----------|----------|------|-----------|----------|----------|--------------|-------------------------|----------|-----------|---------------|----------------|---------|----------|------------|----------|----------|--------------|----------|--------------|---------------|-----------------|---------------|-----------|
|             | al       |                                                  |                 |          |                |          |          |           |          |          |      |           | <u>_</u> |          |              | ŀ                       |          |           | 1             |                |         |          | <u></u>    |          |          | l            | İ        |              | 1             |                 | 1             |           |
| Final       | Original | 7/23/04                                          |                 |          |                |          | ı        |           |          | ľ        |      | Final     | Original |          |              |                         |          |           |               |                |         | Final    | Original   |          |          |              |          |              |               |                 |               |           |
| iĒ          | Ę        | 12                                               |                 |          |                |          |          | - 1       |          | - 1      |      | ίĒ        | Ų.       |          |              |                         | 1        |           |               |                |         | ijŢ.     | Öriç       |          |          | - 1          |          |              |               |                 |               |           |
|             |          | Ц.                                               |                 |          |                | _        | _        | _         |          | _        |      |           |          | _        | _            | _                       |          |           |               | Ш              |         |          |            | _        | _        | $\Box$       | _        | _            | _             | 4               | 4             | _         |
|             | 1        | ÷                                                | Ш               |          |                |          | _        | _         | _        | _        |      |           | 51       | _        | _            | 4_                      |          |           |               | Ш              |         |          | 101        | _        |          | _            |          |              | _             | _               | $\dashv$      | _         |
|             | 2        | <u>+</u>                                         | Щ               |          |                |          |          | 4         | _        | _        |      |           | 52       | $\dashv$ | $\perp$      | _                       |          |           |               | Ш              |         |          | 102        | _        |          |              |          |              |               | _               | $\rightarrow$ | _         |
|             | 3        | +                                                | Ш               |          |                | _        | _        | _         | _        | _        |      |           | 53       | _        | _            | 4                       |          |           |               | Ш              |         |          | 103        |          | _        |              |          |              |               | $\dashv$        | 4             | _         |
|             | 4        | +                                                | Ш               |          |                |          | _        | _         | _        | 4        |      |           | 54       | _        |              | +                       |          | $\vdash$  | _             | Ш              |         |          | 104        |          | _        | _            |          |              | -             | _               | 4             | -         |
|             | 5        | ļ÷                                               | $\sqcup$        | _        |                |          | _        | 4         | _        | _        |      |           | 55       |          | -            | +                       |          |           | 4-            | Ш              |         |          | 105        | _        | $\dashv$ | $\dashv$     |          | $\dashv$     | _             | -               | $\dashv$      |           |
|             | 6        | ÷                                                | Ш               |          | _              |          | _        | 4         | _        | _        |      |           | 56       | -        | 4            | +                       | -        | -         |               | Н              |         |          | 106        |          | $\dashv$ |              | $\dashv$ | _            | $\rightarrow$ | +               | $\dashv$      | $\dashv$  |
|             | 7        | ÷                                                |                 |          | _              | _        |          | _         | _        | _        |      |           | 57       | _        |              | +                       | -        |           |               | $\vdash$       |         |          | 107        |          |          |              |          |              |               |                 | $\dashv$      | -         |
|             | 8        | ÷                                                |                 |          | _              | $\dashv$ | -        |           | _        | _        |      |           | 58       | $\dashv$ | +            | +                       | $\vdash$ |           |               | Н              |         |          | 108<br>109 |          |          | -            | $\dashv$ | -            | $\dashv$      | _               | $\dashv$      | $\dashv$  |
|             | 9        | ÷                                                |                 |          | -              |          | -        | $\dashv$  |          | 4        |      |           | 59       | -        | +            | +-                      | -        | -         |               | -              |         |          | 109        | _        |          | -            |          | $\dashv$     | $\dashv$      | $\dashv$        | $\dashv$      | ᅴ         |
|             | 10       | ÷                                                | Н               |          |                |          | -        | -         | -        | $\dashv$ |      |           | 60       |          |              | +                       | $\vdash$ | $\vdash$  | -             | -              |         |          | 110        |          |          | -            |          | -            |               | -               | $\dashv$      | $\dashv$  |
| <u> </u>    | 11       | _                                                | $\vdash \vdash$ |          |                |          | -        | $\dashv$  | -        | -        |      |           | 61       | -        | - -          |                         | -        | $\vdash$  | +             | $\vdash\vdash$ |         |          | 111        | -        |          | -            |          |              |               | $\dashv$        | $\dashv$      | $\dashv$  |
| <u> </u>    | 12       | -                                                | $\vdash \vdash$ |          | $\vdash$       |          |          | $\dashv$  | +        | -        |      |           | 62       | $\vdash$ | +            | +                       |          | $\vdash$  | +             | ⊢┤             |         |          | 112<br>113 | $\dashv$ |          | -            |          | $\dashv$     |               | $\dashv$        | $\dashv$      | $\dashv$  |
| <u> </u>    | 13       | <del> </del>                                     | $\vdash$        |          | $\vdash$       |          | $\dashv$ | $\dashv$  | +        | -        |      |           | 63<br>64 | -        |              | +                       | $\vdash$ | $\vdash$  | +             | $\vdash$       |         |          | 114        | $\vdash$ |          |              |          |              | -             | $\dashv$        | $\dashv$      | $\dashv$  |
|             | 14       | $\vdash$                                         | $\vdash \vdash$ | _        | $\vdash$       |          | $\dashv$ | $\dashv$  | +        | $\dashv$ |      |           | 65       | -        | +-           | +-                      | +-       | $\vdash$  | +             | $\vdash$       |         |          | 115        | $\vdash$ |          | $\vdash$     |          | -            | -             | $\dashv$        | $\dashv$      | $\dashv$  |
| <u> </u>    | 15       | -                                                | $\vdash$        |          | $\square$      |          |          | $\dashv$  | -        | $\dashv$ |      |           | 66       | $\vdash$ | +            | +-                      | ┿        | $\vdash$  |               | ⊣              |         |          | 116        | $\vdash$ |          | $\vdash$     |          |              | -             | $\dashv$        | $\dashv$      | $\dashv$  |
| $\vdash$    | 16       | -                                                | $\vdash$        |          | $\vdash\vdash$ | -        | -        | $\dashv$  | +        | -        |      | -         | 67       | +        | -+-          | ╁                       | -        | $\vdash$  | +             | ┝┤             |         |          | 117        |          |          | $\vdash$     | -        | -            | $\dashv$      | $\dashv$        | $\dashv$      | $\dashv$  |
| ├─          | 17<br>18 | -                                                | Н               |          | Н              | $\vdash$ |          | $\dashv$  | $\dashv$ | $\dashv$ |      |           | 68       | $\vdash$ | +            | +-                      | +-       | $\vdash$  |               | $\vdash$       |         |          | 118        |          |          | $\vdash$     | =        |              | $\dashv$      | +               | $\dashv$      | $\dashv$  |
| -           | 19       | ├                                                | Н               |          |                | -        |          | $\dashv$  | +        | $\dashv$ |      |           | 69       | $\vdash$ |              | +                       | +        | +         | +             | -              |         | -        | 119        |          |          | $\vdash$     | $\vdash$ | $\dashv$     | $\dashv$      | $\dashv$        | $\dashv$      | $\dashv$  |
| <u> </u>    |          | ⊢                                                |                 | _        |                |          | -        | -         | -        | $\dashv$ |      | <u> </u>  | 70       | $\dashv$ | +            | +                       | +        | +         | +             | $\vdash$       |         |          | 120        |          | -        | $\vdash$     |          | $\dashv$     | $\dashv$      | $\dashv$        | $\dashv$      | $\dashv$  |
| -           | 20<br>21 | ⊢                                                |                 |          | H              | Н        |          | $\dashv$  | -        | $\dashv$ |      |           | 71       | $\dashv$ |              | +-                      | +        |           | _             | -              |         |          | 121        | _        | Н        | -            | _        | $\dashv$     |               | $\dashv$        | $\dashv$      | ㅓ         |
|             | 22       | ⊢                                                | -               |          | Н              | $\vdash$ |          | -         | $\dashv$ | $\dashv$ |      | <b></b> - | 72       | $\vdash$ | -            | +                       | ╁┈       | H         | -             | -              |         | _        | 122        | _        | -        | -            | _        | $\dashv$     | $\dashv$      | $\dashv$        | $\dashv$      | ᅥ         |
|             | 23       | ┢                                                | $\vdash$        | _        | Н              | $\vdash$ | $\vdash$ | -         | +        | $\dashv$ |      |           | 73       | $\vdash$ | +            | ┪┈                      | +        | $\vdash$  | +             | $\vdash$       |         |          | 123        | _        |          |              |          |              |               | $\dashv$        | $\dashv$      | $\dashv$  |
| -           | 24       | ┢                                                | -               |          | Н              |          | $\vdash$ |           | $\dashv$ | $\dashv$ |      | -         | 74       | $\vdash$ | +            | ╁                       | +        | $\vdash$  | +             | $\vdash$       |         |          | 124        | -        | -        |              |          | $\neg$       |               | $\dashv$        | $\dashv$      | -         |
| _           | 25       | ┢                                                | $\vdash$        |          |                |          |          | $\dashv$  | +        | $\dashv$ |      | _         | 75       | $\vdash$ | +            | +-                      | 1-       | $\vdash$  | $\top$        | Н              |         |          | 125        |          | -        |              |          | $\neg$       |               | 寸               | 寸             | $\neg$    |
| <del></del> | 26       | -                                                | H               |          |                |          |          | $\dashv$  | $\dashv$ | $\dashv$ |      |           | 76       | $\vdash$ | +            |                         | +        | $\vdash$  | $\dashv$      | T              |         |          | 126        |          |          |              |          |              |               |                 | 寸             | $\dashv$  |
|             | 27       | <del> </del>                                     | H               |          |                | H        |          | $\vdash$  | $\dashv$ | 一        |      |           | 77       | $\vdash$ | +            | +                       | +-       | $\vdash$  | $\top$        |                |         | <u> </u> | 127        | _        |          |              |          | $\neg$       | $\dashv$      | 1               | 寸             | ┪         |
|             | 28       | -                                                | H               |          | Н              | _        |          |           | $\dashv$ | 一        |      |           | 78       | $\vdash$ |              | 十                       | +        | $\Box$    | $\neg$        |                |         |          | 128        |          | М        |              |          |              | $\neg$        |                 | $\exists$     | $\exists$ |
|             | 29       | $\vdash$                                         | Н               | _        | Н              |          | $\dashv$ |           | $\dashv$ | $\dashv$ |      |           | 79       | $\vdash$ |              | +                       | $\top$   |           | $\top$        |                |         |          | 129        |          |          | _            |          |              |               |                 | ヿ             | ヿ         |
|             | 30       | <del>                                     </del> |                 |          |                | $\vdash$ |          |           | 7        | _        |      |           | 80       |          | _            | _                       | 1        | $\vdash$  | _             |                |         |          | 130        |          |          |              |          |              |               |                 | $\exists$     |           |
|             | 31       | 1-                                               |                 |          | $\vdash$       | М        |          | $\exists$ | $\dashv$ |          |      |           | 81       | $\Box$   | 十            | _                       | 1        |           |               |                |         |          | 131        |          |          |              |          |              |               |                 | T             |           |
|             | 32       | -                                                |                 |          |                | П        |          |           | $\neg$   |          |      |           | 82       | H        | $\top$       | _                       | 1        |           |               | T              |         |          | 132        |          |          |              |          |              |               |                 | $\neg$        |           |
|             | 33       | 1                                                |                 |          |                |          |          |           | ヿ        | ᅵ        |      | -         | 83       |          |              |                         | 1        | П         | $\neg \vdash$ |                |         |          | 133        | $\Box$   |          |              |          |              |               |                 | $\neg$        |           |
|             | 34       | 1                                                |                 |          |                | П        |          |           | 寸        | $\neg$   |      |           | 84       | $\Box$   | _            |                         |          |           |               |                |         |          | 134        |          |          |              |          |              |               |                 |               |           |
|             | 35       | 1                                                |                 |          |                |          |          |           |          |          |      |           | 85       |          |              |                         |          |           |               |                |         |          | 135        |          |          |              |          |              |               | $\Box$          |               |           |
|             | 36       |                                                  |                 |          |                |          |          |           |          |          |      |           | 86       |          |              |                         |          |           |               |                |         |          | 136        |          |          |              |          |              |               |                 | $\Box$        |           |
|             | 37       |                                                  |                 |          |                |          |          |           |          |          |      |           | 87       |          |              | $oldsymbol{\mathbb{T}}$ |          |           |               |                |         |          | 137        |          |          |              |          |              |               |                 |               |           |
|             | 38       |                                                  |                 |          |                |          |          |           | $\Box$   |          |      |           | 88       |          |              |                         |          | $\coprod$ |               |                |         |          | 138        | L        |          |              |          |              |               |                 |               |           |
|             | 39       |                                                  |                 |          |                |          |          |           |          |          |      |           | 89       |          | $oxed{\Box}$ |                         |          |           |               |                |         |          | 139        |          |          |              |          |              |               |                 |               |           |
|             | 40       |                                                  |                 |          |                |          |          |           | $\Box$   |          |      |           | 90       |          |              |                         |          | $\Box$    |               |                |         |          | 140        |          | لَـــا   |              |          |              |               |                 |               |           |
|             | 41       |                                                  |                 |          |                |          |          |           |          |          |      |           | 91       |          |              |                         |          |           |               |                |         |          | 141        | <u> </u> | Ш        |              |          |              |               |                 |               |           |
|             | 42       |                                                  |                 |          |                |          |          | Ш         | $\prod$  |          |      |           | 92       |          | $\perp$      |                         |          |           |               |                |         |          | 142        | <u> </u> | Ш        | <u> </u>     | L_       | Ш            | Ш             |                 |               |           |
|             | 43       |                                                  |                 |          |                |          | Ш        | Ш         | [        | $\Box$   |      |           | 93       |          |              | $\perp$                 | $\perp$  | Ш         |               | <u> </u>       |         |          | 143        | <u> </u> |          |              | L.       |              | Ш             |                 |               |           |
|             | 44       | 1                                                |                 |          |                |          | Ш        |           | $\perp$  | _        |      |           | 94       | $\sqcup$ |              | 4                       | 1        | $\sqcup$  |               | $\perp$        |         |          | 144        | L_       |          |              | _        |              | Щ             |                 |               |           |
|             | 45       | $\perp$                                          |                 |          |                |          | Ш        | Ш         | _        | _        |      |           | 95       | $\sqcup$ | $\perp$      | $\perp$                 | 4        |           | _ _           | 1_             |         |          | 145        | <u> </u> |          |              | _        | $oxed{oxed}$ | _             | $\dashv$        | _             | _         |
|             | 46       | lacksquare                                       |                 | ļ        |                |          | Ш        | Ш         | $\perp$  | _        |      |           | 96       | $\sqcup$ | _ _          | 4                       | 1        | $\sqcup$  |               | _              |         |          | 146        | <u> </u> |          | <u></u>      |          |              |               | $\dashv$        | _             | _         |
|             | 47       | _                                                | $oxed{oxed}$    | _        | L.             | $\sqcup$ | Ш        | Ш         | _        | _        |      |           | 97       | $\sqcup$ | _            | _                       | 1        | $\sqcup$  |               | <u> </u>       |         |          | 147        | _        | $\Box$   | <u> </u>     |          |              | Щ             | $\square$       |               |           |
|             | 48       | $oldsymbol{oldsymbol{oldsymbol{eta}}}$           | 1_              | _        | Щ              | Ш        | Ш        |           | _        | _        |      |           | 98       | $\sqcup$ | $\perp$      | $\perp$                 | $\perp$  | $\sqcup$  | _ _           | 1              |         |          | 148        | <u> </u> | <u> </u> | ⊢            | <u> </u> | <u> </u>     | $\vdash$      | $\vdash \vdash$ | _             | $\dashv$  |
|             | 49       | ↓_                                               | -               | <u> </u> | <u> </u>       | Ш        | Ш        | $\sqcup$  | _        |          |      |           | 99       | $\vdash$ | +            | +                       | ╄-       | $\sqcup$  | _             | $\vdash$       |         | <u> </u> | 149        |          | <u> </u> | <del> </del> | <b>—</b> | $\vdash$     | $\vdash$      | $\vdash \vdash$ | -             | $\dashv$  |
|             | 50       | 1                                                | <u> </u>        |          | L              | L        | L        |           |          |          | 1111 |           | 100      |          |              |                         | <u> </u> | Щ.        |               | 1              | J ::::: | Щ        | 150        |          | L        | <u> </u>     | Щ.       | L            | L             |                 | لـــا         |           |